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Roberts
Improved
Pear
Poison.



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ROBERTS IMPROVED PEAR POISON

FOREWORD.

The introduction of a successful method of destroying Prickly Pear has been so gradual—and unaccompanied by the usual wide publicity given to important discoveries—that only those who have given our poison a trial realize fully its value in the destruction of the pest.

It has been gratifying to record the interest shown in pear clearing by our method in every infested district in Queensland and New South Wales during the past year. In several localities the spread of pear has not only been held in check, but actually cleared out of isolated seed-beds. Neighbourly co-operation being the keynote of this complete eradication.

Roberts Improved Pear Poison is not a gas—merely a liquid to be sprayed lightly by the atomizer method. There are no fumes to contend with and only ordinary care needed in handling. **Atomizers** are now manufactured in our factory at Sydney under our own supervision. **The Improved Proport Nozzle** described on page 7 of this booklet is confidently recommended.

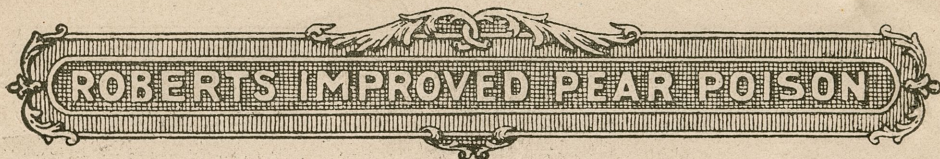
We have established several Service Stations for the instruction of clients or their employees. Men competent in the use and care of the Atomizer and experienced in the application of the poison are engaged by us for clients at wages award rates. The success of our method at the **minimum** cost depends largely on the operator. Our Agents (Messrs. Dalgety and Co. Limited, Brisbane,) will be pleased to put clients in touch with the nearest Service Station.

We claim that **Roberts Improved Pear Poison** is the most effective destructive agent for killing pear yet discovered, and the cost of killing below that of any other known method.

O. C. ROBERTS, LIMITED.

DALGETY & COMPANY LIMITED. AGENTS. BRISBANE.

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OPINIONS.

C. B. Craig, Manager, Daandine Station, Macalister, writes :—

"Scattered Pear—Little South Paddock, 1327 acres, patchy infested. Poison, £15/11/3; Wages and Rations, £6/19/10. Approximately 4d. per acre."

Oliver Kinchington, "Revilo," Mitchell :—

"Scattered Pear—3000 acres. Some of the clumps from 12 to 14 years old. 4 men, 16 working days. Poison, £51; Labour, £48. Approximately 8d. per acre."

Since the above figures were given to us both Mr. Craig and Mr. Kinchington have used very large quantities of our poison and express themselves as highly pleased with excellent results.

Angus McPherson, "Inniscraig," Roma :—

"I have been trying all sorts of poisons and all other methods of getting rid of prickly pear for the last ten years. I can safely say that Roberts Improved Pear Poison stands right out in front of everything I have tried and is the best means of getting rid of the pear at a reasonable cost."

John Gunn, "North Burgorah," St. George :—

"The poison supplied is absolutely the best thing I ever struck. I consider Roberts as having at last solved the pear problem. No more fires for me."

P. R. Brumpton, St. Kilda, Orallo :—

"When I get the three drums of poison I think they will complete the job. The poison has done first-class work. Several people have been here to see the work and have been well pleased with it. Two or three have since ordered."

William Cole, Guy-Guy (West), Dirranbandi :—

"I may add that the poison does all that is required. I am just getting to know how much it takes for different sized bunches."

J. W. Newbury, "Clovelly," Kowguran :—

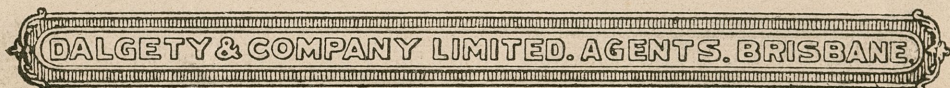
"I find the poison very satisfactory indeed."

Morgan Bros., "Boynewood," Mundubbera :—

"We are quite satisfied with the way the poison is doing its work and we have ordered more."

George Colls, Brigalow :—

"The poison is doing splendid work."



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ROBERTS IMPROVED PEAR POISON

Manager, Welltown Station :—

"Where it has been used it appears to do excellent work in destroying the pear."

W. H. Thrupp, "Lauriston," Roma :—

"Having heard numerous graziers, who have given the poison a thorough trial, express their belief that it is undoubtedly the most satisfactory and cheapest method they have tried, I gave a trial order to Dalgety and Co., Brisbane. After outlining his experiences, Mr. Thrupp writes: 'Any other method of clearing pear is out of the question compared with the use of Roberts Poison.'"

E. W. Gulbrandson, "Loobrook," Undulla Creek, Condamine :—

"I have gone over fifty acres of fairly heavy scattered pear and I am very well satisfied with results so far. I do not find Roberts Improved Poison anyway troublesome to use, and provided reasonable care is exercised by the operator, it is in no way dangerous, as rumoured. It is very important to keep the nozzle clean."

Honnery Bros., "Cumble,," Gravesend, N.S.W. :—

"Having a wide experience, extending over a considerable number of years, in the use of prickly pear poisons, I have no hesitation in saying that the Roberts Improved Pear Poison is by far the best I have ever handled, and can honestly recommend it to anyone who wants a really effective poison for any kind of pear. If used intelligently it cannot fail to give satisfaction to the most critical. I have used 2½ tons of Improved Poison on heavy and light pear, and I can honestly say that every pear that the poison has sprayed has died out."

(Signed) G. M. HONNERY.

F. E. McNamara, "Aurifer Downs," Bungunya :—

"I consider this poison the best I have yet used, both as an injection and a spray."

J. W. Brumpton, "Pine Grove," Ambv :—

"It is the best pear poison I have used and I am quite satisfied with it."

G. McCullagh, "Corio," Kooroongarra :

"I have been using the poison with very good results and expect to be getting more of it."

N. Cronholm, "Anath," Gayndah :—

"I might say that I have used nearly every pear poison that has been placed on the market, but Roberts Pear Poison, as now made, is the best I have yet used."

DALGETY & COMPANY LIMITED. AGENTS. BRISBANE.

ROBERTS' IMPROVED PEAR POISON

H. R. Munro, "Keera," Bingera, New South Wales:—

"I have pleasure in reporting that the result of Roberts Pear Poison is very good. I have been able to clear thick pear on rocky country that was considered impossible to deal with. It is far away the best poison I have tried and confidently recommend it to anyone who is dealing with prickly pear."

Rosenthal Shire Council, Warwick:—

"This Council is using Roberts Improved Poison, and that is found deadly on pear. On a hot day its effect is visible on the plants in 2½ hours after spraying and in a few days the leaves are like brown paper, and the bulb also rots. So pleased are adjoining selectors with the result that this Council has been asked to go into their holdings and poison pear they have left so that they may have more land for cultivation. Reports given by our Inspector, and by the selectors upon whose holdings this poison was used, are to the effect that no stock has been lost through poisoning. The work has gone on while hundreds of cattle, sheep and horses were in the paddock and while grass was scarce."

"Queensland Grazier."

The New South Wales Government takes prickly pear seriously, as we shall have to do some day. They have been using Roberts' Improved Pear Poison, and have found it very effective, the only poison, in fact, that has proved a real destructor. How far this has been effective is fairly well proved by the fact that in passing the estimates last week, amounting to over thirteen million sterling, there was included the sum of £25,000 for "destruction of prickly pear on infested lands along the authorised railway from Baradine to Wangan Creek, and a further sum or £5,000 for the purpose of prickly pear eradication on Crown lands, and expenses incidental thereto."

They are in dead earnest about pear in New South Wales, and they have only two or three million acres of it, as compared with our twenty or thirty million acres. If, as seems to be the case, they have found that Roberts' Poison is indeed effective, it is the most important news that has come to pear-infested Queensland for years past.

"Darling Down Gazette."

An interesting display of the efficacy of Roberts' prickly pear poison is being made at Drayton, on land kindly lent by Mr. M. Boland. With a desire to prove to his brother farmers the value of this destroyer, Mr. Boland readily placed portion of his grazing land affected with pear at the disposal of Mr. Gregory, the firm's representative, and farmers and others will find much to interest them in this illustration show of the effect of the spraying of the pear. Pear treated but three weeks has been effectually killed, the plants shrinking and crumbling to dust after the effects of the poison. On Saturday, Mr. Dan Carroll, Sydney, one of the directors of the company, inspected the effects of the applications and was well pleased with the striking results. The poison is already finding large sales over the Downs.

DALGETY & COMPANY LIMITED. AGENTS. BRISBANE.

ROBERTS IMPROVED PEAR POISON

How to Use :

Roberts Improved Pear Poison is sprayed on the pear by means of a special atomizer, pumped up to from 100 to 120 lbs. pressure. A pressure gauge is on the pump supplied with the atomizer. The higher the pressure the finer the spray and, therefore, the least amount of poison is used.

An imperfect spray, causing a waste of poison, may result in a partial failure. The poison being almost twice the weight of water, if used in too great a quantity, may cause the leaves to drop off dead from the plant, but stops the circulation in the buds and old segments.

The Action :

The poison, after creating its own circulation drawn from the atmosphere, penetrates into the plant within from 6 to 8 hours after spraying and circulates wherever the plant derives life from. Rain falling within eight hours after spraying may neutralise the poison and have little effect on the pear. The poison is not gas and has no fumes.

When to Use :

Roberts Improved Pear Poison may be used at any time of the year. During cold months the action of the poison is slower, but the effect is the same. During summer and autumn months it takes from four to six weeks for killing and in winter a few weeks longer.

Grazing Stock :

We do not advise allowing stock to graze in poisoned paddocks. We know of many land-owners who do not follow this advice and who have had no losses. When pear becomes brittle in the leaves and honeycombed in the woody stalks and bulb, there is no poison left in it. It is then quite safe for stock.

Freight :

In Queensland there is no freight to pay on our pear poison—Railage is charged on the atomizer and empty returns.

In New South Wales the railways carry our poison at a reduced rate, particularly so in large consignments.

ROBERTS IMPROVED PEAR POISON

ATOMIZER, (Complete with Pump).

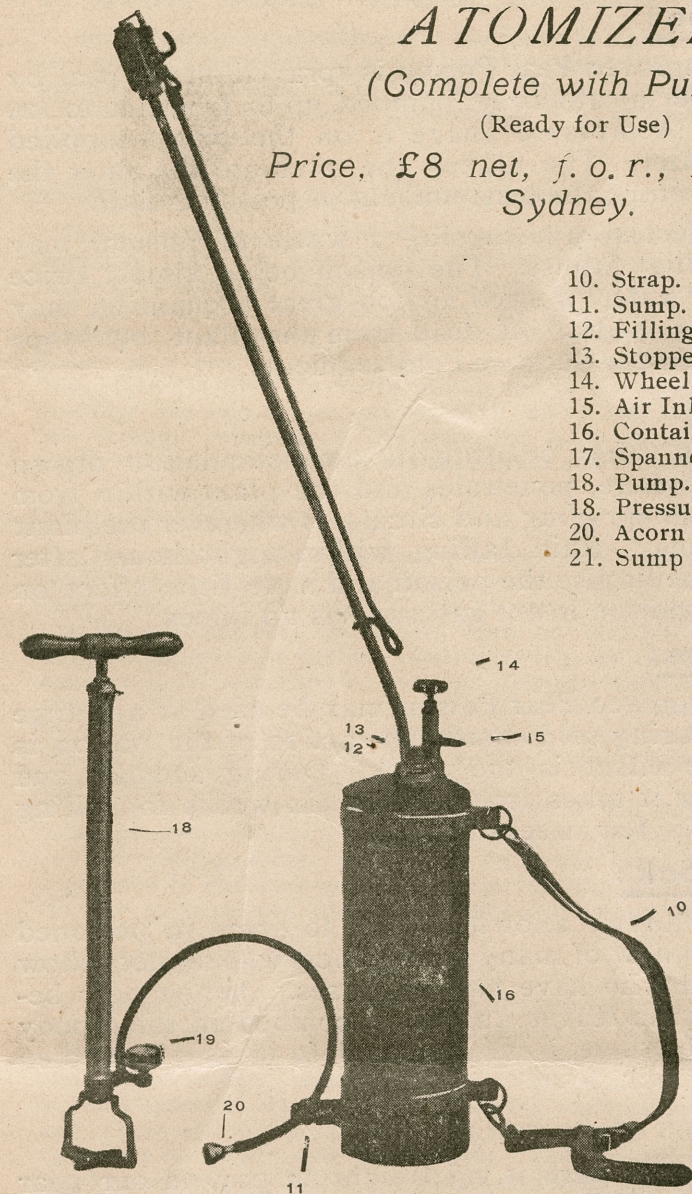
(Ready for Use)

Price, £8 net, f. o. r., Brisbane or Sydney.

10. Strap.
11. Sump.
12. Filling Chamber.
13. Stopper.
14. Wheel Valve.
15. Air Inlet.
16. Container.
17. Spanner.
18. Pump.
19. Pressure Gauge.
20. Acorn Connection.
21. Sump Stopper.

Working Directions.

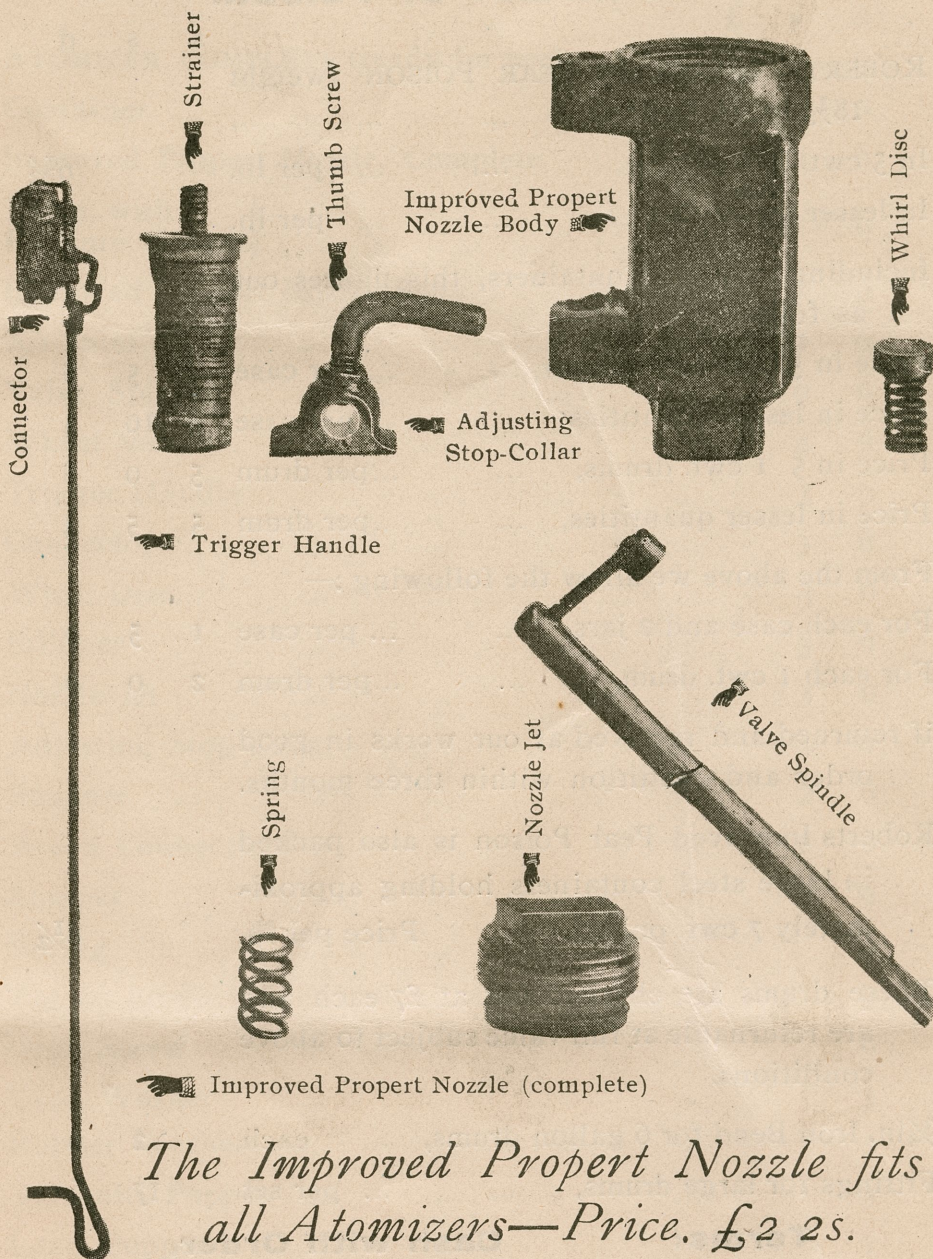
Place Atomizer upright, as shown. Fill container through No. 12, with three quarts of poison. Use an old enamel teapot with spout for filling. Screw No. 13 down until it is air-tight. Open wheel-valve 14, and attach pump. Pump pressure to 100 or 120lbs. Close wheel-valve



tightly, take off pump, and the Atomizer will be ready for use. (See also notes under heading of Requirements.)

Do not use too much poison. A sharp shot of poison on each junction of woody stalks, on or as near the bulb as possible, together with a light swift spray over one side of the leaves is quite sufficient.

ROBERTS IMPROVED PEAR POISON



DALGETY & COMPANY LIMITED. AGENTS. BRISBANE

ROBERTS IMPROVED PEAR POISON

PRICE LIST OF POISON.

	£	s	d
ROBERTS IMPROVED PEAR POISON (weight 18 $\frac{2}{3}$ lbs. to Gallon)			
In 5 cwt. lots or over, per lb.			6 $\frac{1}{2}$
In lesser quantities per lb.			7

Including cost of Containers, this figures out
as follows:—

Price in 5 case lots or over, per case	4	5	8
Price in lesser quantities per case	4	10	4
Price in 5 1 cwt. drums, per drum	5	0	8
Price in lesser quantities, per drum	5	5	4

From the above we allow the following:—

For each case and 2 jars, per case	1	5	0
For each 1 cwt. drum, per drum	2	0	0

if returned and received at our works in good
order and condition within three months.

Roberts Improved Pear Poison is also packed
in large steel containers holding approxi-
mately 7 cwt. poison. ... Price per lb. 6 $\frac{1}{2}$

These drums are charged out at £7 each and
are returnable at full value subject to above
conditions.

$\frac{3}{4}$ in. Iron Bend for 6 gallon drums, ... each	2	0
Fittings for large drums, per set	17	6

Terms: Cash with Order.

DALGETY & COMPANY LIMITED. AGENTS. BRISBANE.

ROBERTS IMPROVED PEAR POISON

PRICE LIST OF THE ATOMIZER AND PARTS.

	£	s	d
ATOMIZER, COMPLETE (ready for use) ...	8	0	0
Container	3	0	0
Improved Propert Nozzle, Complete ...	2	2	0
Pump, with } Pressure Gauge }	1	17	6
Improved Propert Nozzle Body ...	1	7	0
Air Inlet	12	6	
Valve Spindle	6	6	
Wheel Valve	4	6	
Trigger Handle	3	9	
Connector	3	6	
Whirl Disc... ..	3	0	
Strainer	3	0	
Nozzle Jet	3	0	
Adjusting Stop-Collar	3	0	
Spanner	2	6	
Acorn Connection	2	0	
Stopper	2	0	
Spring		9	
Thumb Screw		9	
Grub Screw		6	
Lead Washer		3	
Rubber Washer		3	
Vulcanite Poppet		3	
Lead Poppet		2	

ROBERTS IMPROVED PEAR POISON

Care of Atomizers.

Our poison cleans steel scaling from the inside of the atomizer when mixed with the atmosphere so it is advisable to close all air inlets when finished with atomizing each day. After letting out all air from Air-inlet (*No. 15*) close it again, as otherwise scale will form on the inside of the container and block up the nozzle. If this happens do not blame the nozzle—it can only block from what it gets from the container.

The certain remedy for scale is to mix two pints of water with one pint of poison—put into container with about 14lbs. of shot—and give the container a good shaking up for about 15 minutes. Better hang it on a rope from a tree so you will not have the weight of it. Be sure you have the nozzle off and a cork in the delivery pipe. During the operation the container will get hot—the mixture will eat off scale and the shot will break it up. Clean nozzle and replace after removing all shot and mixture.

The Improved Proport Nozzle has a cylinder shaped strainer in the nozzle itself with about 100 outlets, so that if 99 of them are blocked you will still get a perfect spray.

It is important that the face of the nozzle be well vaselined as otherwise the poppet friction will cause wearing. Filing down enlarges the spray hole.

The nozzle should be kept clean and vaselined after the days work—the wheel valve oiled and occasionally the pump oiled. Apart from this if the Atomizer is doing good work and used regularly it requires no attention. Atomizers are oxyceteline welded and with proper care will give good service for many years. Before delivery all atomizers are tested to 300 lbs. pressure.

Requirements.

The operator should have the following with him when ready for work:—

1 Tin Vaseline.

Waterbag (water stops the action of poison on operator or his clothing).

Small Hammer (for opening drums and tightening Stopper 13.)

Pair No. 7 Footprints (an indispensable tool).

Enamel Teapot (for measuring and filling atomizer with poison).

ROBERTS IMPROVED PEAR POISON

Piece of Sheet Lead (for cutting poppets or washers).
Atomizer. Pump. Poison.

An operator, fully equipped, can kill a fair sized plant each minute and with the above items he will not lose time.

Empty Returns:

Queensland clients should return all empties to O. C. Roberts, Limited, Wallangarra, and notify Dalgety & Co. Limited, Brisbane.

New South Wales clients should return all empties to O. C. Roberts Limited, Alexandra Station, Sydney, and notify O. C. Roberts Limited, Banking House, Sydney.

To secure minimum freight all "Empty Returns" should be consigned as such and freight prepaid.

Care of Containers:

Full credit will be allowed for containers received in good order and condition only. Jars should be packed carefully and steel drums should be kept airtight at all times. Otherwise the poison re-acts on the steel and renders them useless.

Tree Pear:

If you have this class of pear kindly write us for special instructions in the method of destroying.

H. C. Schultz, Narko:—

"It is the most easy bit of pear poisoning ever I have done. I have used different kinds—both powder and spray. As the most simple and effective pear poison Roberts Improved Pear Poison stands out on its own.

K. D. Hunt, Wellcamp:—

"I have much pleasure in reporting on the success I have had with your poison. I am quite satisfied that all the pear I have treated is absolutely dead. If there is anyone interested in pear poisoning in this district I shall be only too pleased to show them what I have done, and give them any information desired."

Hammond Bros., Marstan, Angellala:—

"In Charleville, during the Sittings of the recent Land Court, a large number of graziers asked us for information regarding our experience with pear and Roberts Poison. We told them—that where the poison did not act it was the fault of the operator and not the poison, and gave the figures we have tested frequently—'3 gallons poison will kill about 2000 average plants.' One thing we have particularly noticed is, that though the slightest spray will kill the leaves of any sized plant, the butts of even the small ones must be well damped with poison.

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ROBERTS' IMPROVED PEAR POISON

Reprint of Letter, dated 3rd March, 1920, from H. S. Sheridan, Degilbo, which appeared in "The Western Star," Roma:

THE GREEN PERIL.

To the Editor, "Western Star."

Sir,—It may interest many of your country readers to hear something concerning the prickly pear, and the latest methods for its destruction. Some impractical writers on pear fill columns with high faluting technical terms; suffice to say that I believe it belongs to a very bad family, the largest branch of which is known as "opuntia vulgaris," and that it is the "bete noir" of the man on the land. Having had many years experience as a grazier in the Burnett District, and during that time having freed a large area of country from prickly pear, I naturally took a keen interest in the result of an object lesson, which I recently witnessed at Newstead, near Surat, the property of Messrs. Naylor and Sheridan. A large area was treated in one of their paddocks about seven months ago with Roberts' latest automatic atomizer and spray, but owing to the drought the circulation in the pear was bad. Nevertheless, after digging out a very large number of plants, I found that the bulbs were in every case as dead as Queen Anne or Julius Caesar. A few of the eyes or buds that had escaped contact with the poison had thrown out small shoots, but these could easily be destroyed by burning the dead fibre that surrounded them. The efficiency and completeness of the method will, of course, largely depend upon the skill and care of the operator. Further work and experiments will no doubt enable the gentleman referred to to ascertain the

cost of pear eradication per acre by this method according to the various degrees of infestation, and I may here add that Messrs. Naylor and Sheridan have paddocks very free from pear, for which they deserve much kudos, for they seem to have taken to heart the good old Biblical statement that "while men slept, the enemy sowed tares." I have always held that the big thing of our lives to discover a spray or other method that would in the one operation not only kill all the surface pear but the bulbs as well, and this result Mr. Roberts in his latest effort seems to have achieved. I have seen in the Burnett District large areas of pear sprayed with arsenical spray, which killed all the surface pear, but unless the bulbs were stabbed with Kirby's Injector, or with bayonet and lance attached to the spray nozzle (such as are used by the Degilbo Shire Council) the bulbs always sprouted, grew, and flourished like a young bay tree. For very many years Mr. Roberts, manager for the Cactus Company, carried out experiments on the one hundred thousand acres of pear country allotted to them on Dulacca, and spent a lot of money there, but all in vain. But we know that hope springs eternal in the human breast, and now there is strong evidence that Mr. Roberts has discovered a poison, and a method of using it, that we all hope will enable us to stay the ravages and onward march of the "Green Peril."

I am, &c.

HENRY STRATTON SHERIDAN.

Newstead, Surat.

DALGETY & COMPANY LIMITED. AGENTS. BRISBANE.

BRISBANE

SERVICE.

Procrastination—the thief of time—is largely responsible for the spread of pear on your land.

If you intend clearing your land or a part of it in the near future, write us regarding your plans, giving us information of proposed area—the class of pear—exact situation of it, &c.

Our field service will be interested—very much so.

Address all Correspondence:—

**DALGETY & CO. LTD.,
BRISBANE.**

Agents for QUEENSLAND and NEW SOUTH WALES.



State Library of Queensland

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$1 \frac{1}{2} \times 4 \frac{1}{3} = 6 \frac{1}{2}$
Deton $2 \frac{1}{2} \times 2 \frac{1}{6} = 5 \frac{1}{3}$
Fuse 2 $\times 4 \frac{1}{3} = 8 \frac{2}{3}$

 $17 \frac{1}{6}$